

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [1687] 49er - my views, so far.
Message-ID: <199607270746.HAA08981@mail.enterprise.net>

Having had a beautiful PCB made for the 49er by a friend, I thought I would have a go at it. Looking at the circuit I though 'that front end will never cope with European QRM', so I have substituted the simple circuit with a double tuned front end consisting of two Toko coils and 100p caps top coupled with 8p. There is plenty of room on the PCB for this mod. Result? No broadcast QRM, well not during the day, night time is a different story! Still can copy CW, but yes, there is a problem with BC, as you would expect, but the Rx is much better for the mod. The next thing to do is add a one transistor audio amp between the FET and the audio amp (I am using a lm386 not lm380). Will be using toroid chokes in the driver and pa and have used a toroid in the output pi-tank. I have altered the RX antenna coupling to the antenna socket, by using my favourite two diodes back to back across the Toko coil, coupled with a 50p cap to the antenna socket. None of my mods will mean making the rig any bigger of course, it is after all a fun rig, but for my own use, I think a few simple additions will prove worth while. I might box the rig up in a box with nicads, not sure yet ...

Congrats to the designers of the rig, they certainly started something BIG for such a SMALL project.

Any other G QRPers having a go at this?

Will pass on the results and any more mods I do, later.

--

Frank G3YCC

Ham Radio QRP Web Page:

<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: "Thomas J. Whalen" <whalen@swcp.com>
Subject: [1678] antennas
Message-ID: <Pine.SUN.3.91.960726181715.18115B-100000@kitsune.swcp.com>

Hi Gang,

I had a few visits years ago with Lew McCoy W1ICP, when I lived in Silver City, NM. Lew was a technical writer for QST, and still does reviews and articles for CQ mag. This fellow really knows antennas.

I asked him what he thought would be the best multiband antenna. He said, "No magic numbers, just make it as long as you can, as high as you can get it, and feed it with balanced feed line (450 ohm or even 300 ohm twin lead). You have to use a tuner, but you even have to use a tuner with the G5RV. I think a lot of people don't think you need a tuner with the G5RV,

but you do. Feeder imbalance????? So what if the feed line radiates! It's
RF going somewhere right.? Want a good antenna to try? Put up a "Lazy H",
I tried one and worked like a bomb.....just a couple of pine
trees! 73 Tom WB5QYT
& Ln

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: GARY McCAUGHEY <MAIL4GARY@worldnet.att.net>
Subject: [1686] ANYONE HAVE QRP VENDOR LIST??
Message-ID: <19960727032343.AAA28325@LOCALNAME>

HELLO. HAS ANYONE COMPILED A LIST OF VENDORS OF QRP KITS, ETC.??
ADDRESSES, PHONE NUMBERS AND SUCH? IF SO, PLEASE SEND IT TO ME.

THANKS AND 73's
GARY - WA2UAX

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: k7yha@juno.com (richard h. arland)
Subject: [1705] ARGO 515 SOLD!
Message-ID: <19960727.234057.4447.11.k7yha@juno.com>

Thnx for the replies. It's sold.
72 rich K7YHA

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: k7yha@juno.com (richard h. arland)
Subject: [1703] Argo 515 station for sale
Message-ID: <19960727.212847.4447.4.k7yha@juno.com>

Hi Gang:

I REALLY don't know how these little boxes from T-T keep following me
home, but I have acquired yet another Argonaut 515. It needs a good home.

For Sale:

Argo 515 (exc- to gud + condx....has a scratch on front panel
above and to the right of the drive control), 208A AF/notch
filter, 210 power supply, all manuals and T-T hand mic. \$450.00

(which is what I have in the rig) plus shipping.

The 515 has been back to the factory for installation of the 2.4 kHz 8-pole XTAL filter, work on the PTO, new dial lights and a complete alignment (I have the paperwork). Rig was used several weeks ago in the IARU/WRTC contest. I added a new dial cord and elastic. The rig works great.

72 rich K7YHA (717) 825-5395 (home) or (717) 675-1101 ext 263 (work)

From owner-qrp-l@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Subject: [1688] ARK-20 computer control
Message-ID: <31fa35d2.pandora@pandora.lugs.org.sg>

Hi Gang,

Well, my laziness finally got the better of me. After using some big rigs in the past, and writing up automated logging software in which I only provide the call and the RST, coming back to some of the QRP rigs proved to be a little tedious on the logging side of things.

Now, some of you may know that I put in a microcontroller into my ARK-20 to do some keying. Yesterday I finally hooked up the unused pins of the microprocessor to the ARK-20 BCD-thumbwheel and wrote some additional code for it. I am happy to say that after some tweaking, the thing now works. I have followed ICOM's C-IV protocol and now my logging software will recognize my ARK-20 just like some of those new fangled ICOM rigs. When I change the frequency it is automatically reflected in the logger. Cool, now I can get back to operating and don't worry about logging.

73 de 9V1ZV Daniel

--

Daniel Wee | daniel@pandora.lugs.org.sg
9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

From owner-qrp-l@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: Mike Rioux <mrioux@usa1.com>
Subject: [1677] Auto antenna tuner
Message-ID: <MAPI.Id.0016.0072696f75782020353446323030303035@MAPI.to.RFC822>

There was an article in the January 1996 QST regarding an automatic antenna

tuner. I called the company involved and asked about a QRP version (low power RF, low current consumption), I was told that they are coming out with a QRP version for about \$100 in the not too distant future. I = ordered the 100 watt version anyway, came UPS 2 days later. Very nicely done pc board and parts...it is a very high quality kit. I'll let everyone know how it goes together and works later. Company is LDG Electronics in Maryland. 410-586-2177. Usual disclaimers, I just like to build things...= now if I'd only get on the air more...
Mike
73 de nw1j

Michael Rioux, NW1J 508-887-8593
mrioux@usa1.com

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [1673] Beryllium Oxide, for all!
Message-ID: <Pine.3.89.9607270607.C31997-0100000@w3eax.umd.edu>

Here's what I've gotten from the literally DOZENS of replies...

(what a group, I'll say it again!)

BeO - Beryllium Oxide, a white material often in ceramic form.

Used for heat sinks due to its excellent thermal conductivity and electrical insulating properties. Many transistors may contain BeO, and high-power amps may as well.

Useful in "conduction cooled" amplifiers.

In ceramic form, it's safe.

If broken, it releases dust that is not only toxic when breathed (or allowed to touch skin) but carcinogenic.

Do not go out of your way to create such dust. BeO is a hazmat and should be handled with extreme care. People who work with it should wear

full protective gear (NIOSH report).

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: SYDV00A@prodigy.com (MR FLOYD E SMITHBERG)
Subject: [1697] CMOS-III
Message-ID: <199607271933.PAA17856@mime4.prodigy.com>

Just finished it this week and packaged in home brew aluminum, clam type case similar to TenTecs...1.5 x 5 x 5. Mounted pcb, 3 AAs, spkr and 6 PB switches in top. Speed control and phone jack on front and 12v.power, key line out jack and paddle jack on rear. Bottom half has only 4 rubber feet and two holes for attaching to two threaded spacers for holding the case together. This, I felt, was easier to build than the cases shown in the articles and results in a compact, shielded unit that matches my other QRP rigs. Mounted 78L05 on pcb using the existing holes for +5v and -5v drilled another for the 12v input to the 78L05, then put 150 ohm resistor in series to the external 12v connector. To isolate the batteries from the 5v supply I placed a 1N5817 Schottky diode in series with batteries. This way I normally use the batteries but can plug the 12v source without additional manual switching. Makes a nice compact unit for practicing cw while watching TV, waiting for the XYL while shopping, etc. Also makes the most versatile keyer of all for contesting and general operating. The accompanying manual is excellent...complete with no need to refer to other publications. Only problem I had was interpreting the "underline dash" when putting in embedded commands. It finally dawned on me that it simply meant that you wait for the "dit dit" to get a word space after keying in a character or word....did NOT mean to key in a cw underline (..___.) =:-(Floyd NQ7X Phoenix ScQRPion

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: "Bowes, Fr. Bruce" <GBB1@MUSICB.MARIST.EDU>
Subject: [1709] Dimensions for 1/2 G5RV
Message-ID: <27JUL96.25398736.0316.MUSIC@MARISTB.MARIST.EDU>

Does anyone have the dimensions for the 1/2 G5RV?
I would be interested.
Also can it be used for 80 meters with a tuner?
Thanks

Fr Bowes
KB2TRF

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: lve1@inel.gov (Larry V East)
Subject: [1695] Funny thing on 30M...
Message-ID: <2.2.16.19960727190948.219703cc@eloi>

A funny thing happened as I was chasing DX on 30M last night: I was trying to catch 5W0KI, and signed my call a couple of times after he ended a QSO. For some reason, NG0C gave me a call slightly off frequency; the 5W must have thought he was being called and went back to him. Now the funny part: NG0C went back to the 5W and thought he was talking to ME! He had a short QSO with him and used my call in the "over" two or three times!

So, NG0C (if you happen to be on this list), please be advised that your worked 5W0KI last night, NOT W1HUE!

Oh yes -- I did finally manage to snag the 5W, but I had to switch from my 1W Exp. II to my 5W QRP+ to do it! (Never heard NG0C again...)

Ain't ham radio (especially QRP) FUN!?!?!? :-)

72, Larry W1HUE/7

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: W3HMS@aol.com
Subject: [1672] Fwd: Yep, 30M is great
Message-ID: <960727011945_443087876@emout10.mail.aol.com>

In a message dated 96-07-25 23:57:20 EDT, adams@chuck.dallas.sgi.com (chuck adams) writes:

<< t's the fun that you are
having doing it that counts and the only thing that counts. >>

Chuck said this.....GREAT.....HAM Radio is a HOBBY!

72,

John

Forwarded message:

From: adams@chuck.dallas.sgi.com (chuck adams)
Sender: owner-qrp-1@Lehigh.EDU
Reply-to: adams@chuck.dallas.sgi.com
To: qrp-1@Lehigh.EDU (Low Power Amateur Radio Discussion)
From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: Mike Czuhajewski <wa8mcq@u1.abs.net>
Subject: [1710] Help QRPer with research?
Message-ID: <Pine.BSI.3.93.960727233002.701B-100000@u1.abs.net>

Some of you may know of KB4ZGC, Frank Brumbaugh, who is a retired engineer living in Puerto Rico. He's had a lot of articles in 73 magazine as well as the QRP Quarterly. (His call is now W4LJD, Last Judgement Day, thanks to the new FCC call sign program.) He writes to me quite a bit with a LOT of tidbits for the Idea Exchange column in the QRP Quarterly, but his latest one isn't for publication; he's working on it for possible submission to 73 (assuming that it's still around, which is another topic entirely!). He asked me for help since it requires a GOOD earth ground, something he can't get where he lives. It's a lightning sensor, a simple circuit used with a short sense antenna to detect increasing amplitude of lightning zappers and set off an alarm when some threshold is reached. He wants me to build it (not much to it) and test it out--he can do the building part but not the testing, since it requires a GOOD ground. I can't do it since I don't even have time to get 10% of my own projects done, but if this sounds interesting to someone else, here's a good chance to help out a fellow QRPer and get a bit of credit in his article. If interested, you can contact him at this address--

Frank Brumbaugh
c/o Defendini
P O Box 30
Salinas, PR 00751

He says that Defendini is the landlord and allows his tenants to use his box. (In case there is anyone out there who doesn't already know it, that's a US zip code; PR is part of our domestic mail system.)

73 and Queue Our Pea DE WA8MCQ

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: Dan Keen <70731.722@compuserve.com>
Subject: [1706] James Cates E-mail Addre
Message-ID: <960727235812_70731.722_EHM40-1@CompuServe.COM>

Howdy,

Can anybody confirm that James Cates' Email address is wager@juno.com ?

Back on about June 7 he was announcing here on the list that six St.Louis tuners were available to the first to send him funds. I quickly sent an US Post Office express mail package with a money order inside, but was not lucky enough to be one of the first 6. Fair enough.

Since then, I've sent 4 E-mails from June 9 to June 26 to Mr. Cates at the above Email address but I have recieved no E-mail reply. It would be comforting to hear that he did indeed recieve the Express mail package and that it wasn't lost in the mail or something. But I am getting no replies to my inquiries. Perhaps I have the wrong Email address above?

Dan

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: William Dennis Zeares <wzeares@post.cis.smu.edu>
Subject: [1696] Jim Cates A Class Guy!
Message-ID: <Pine.3.89.9607271404.A8207-01000000@post.cis.smu.edu>

Just a special Thank You to Jim. I never did receive my QRPP by USPS, so Jim sent me a new copy by first class mail and I did receive it in two days. Jim is one great Class Guy!!! My apologies to everyone for my posts concerning my mail box being empty all these weeks. TNX, 72/73, Dennis K3ETS, Dallas

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: rheight@PRIMENET.COM (Roger Hightower)
Subject: [1708] Morse Code history page
Message-ID: <199607280324.UAA23744@primenet.com>

Hi all. I found a really neat web page containing the history of Morse code and some very nice pics of old keys. Even had a local sounder, which is what I used to learn the code some 45 yrs ago.

Worth the trip just to see the pictures.

try: <http://www.cris.com/~gsraven/index.shtml>

72/73, de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996

From: k7yha@juno.com (richard h. arland)

Subject: [1700] MURGAS/ARCI Apology

Message-ID: <19960727.204902.4447.1.k7yha@juno.com>

Gang:

Apparently some of my comments regarding the founding of the Wyoming Valley QRP Commandos and the MURGAS ARC angered one or more of you out there.

A good friend, fellow QRPer and MURGAS member very tactfully reminded me that my dealings with a select few members of the club had resulted in a negative opinion of a good organization. This negative outlook was publicly broadcast via the qrp-1 and my friend was very upset. He had every right to be.

Over the last 20 plus years the MURGAS ARC has been a major player in the development of amateur radio in the Scranton/Wilkes-Barre (PA) area. They have sponsored novice and upgrade classes, provided testing sessions at area hamfests, public service volunteers, an annual ham/computer fest, ARES/SKYWARN training, and a social "watering hole" for the membership. My comments about certain members of this organization cast a shadow over all the positive aspects of the club.

For the past 31 of the 33 years I have been licensed, I have been actively involved in low power communications. Over the years I have formed some very strong opinions about the ham radio hobby in general and QRP in particular. At times, while on a crusade to promote our facet of the radio hobby, I have allowed my personal opinions to color my comments and, in turn, these comments caused pain and anguish to others. Such was the case in this instance. I allowed my dealings with a very small minority of the MURGAS' membership to color my total opinion of the club and this was wrong.

Allow me to publicly apologize to the members of this list, to any MURGAS members who may have read and become angered by my comments, and, most of all, to Bob Nygren, WA3YON, my friend, who's comments caused me some deep introspection.

While I'm at it, I might as well offer an apology to any of the QRP ARCI

members, staff or officers out there who might have taken offense at my comments regarding the administration or the club. My comments were based upon 31 years of membership, 3 terms as a BoD member and my frustration at trying to promote change within the club.

The QRP ARCI has been a major player in my amateur radio life. Again, I have VERY strong opinions regarding how I think the club should function. Not everyone subscribes to my ideas. If my diatribe has angered any of you out there, I am sorry, as that was NOT my intention. I was only trying to point out that, from my view, the club needed to evolve (possibly via a name change) into something more than what it has been in the past.

Thanks for the bandwidth.

72 rich K7YHA

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: Grover <SIXPENCE@worldnet.att.net>
Subject: [1700] NORCAL INET ADDRESSES PLEASE
Message-ID: <2.2.16.19960727162431.1d571ea4@postoffice.worldnet.att.net>

Would someone please give me Doug Hendricks & Jim Cates Inet addresses. I managed to lose half my address library while directories.
Thanks ..Grover Tolliver KQ4AL <SIXPENCE@worldnet.att.net>

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: ROYGREGSON@aol.com
Subject: [1679] NW8020
Message-ID: <960727034723_165351238@emout15.mail.aol.com>

To John N9UKX, Ron KB6GK, Dean N2TNN, and the 2 guys my printer ate, please send your snail mail address and I'll send some free info on the kits. And yes, any others I missed, just send your snail mail address, and I'll get the info out to you too !
Thanks to all for your interest, and thanks for the nice kudo's from many many others.
Roy W6EMT

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996

From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [1683] QRP Rig Lab Tests
Message-ID: <199607270429.WAA22664@zia.aoc.nrao.edu>

I will be posting some lab tests performed on various QRP rigs over the next few days. Hopefully you will find the test data informative and helpful. However, some test data must be interpreted carefully, such as Minimum Discernable Signal, MDS (a function of the IF bandwidth), output power, etc. ... as these are measures of the care in which a kit is built: how well the toroids were wound, how closely matched the IF crystals are and the like.

Other data, such as power supply drains, VFO warmup time, the tuning range, etc. can be considered fairly typical from rig to rig.

The purpose of this data is to make it public, provide some guidance for troubleshooting and perhaps allow you to better evaluate the rig you have or the one you're thinking of getting, and address some of the common questions asked of these rigs on QRP-L. However, it is NOT meant to compare one rig against another. In choosing a rig, technical performance is one factor; physical size, cost, overall appearance, quality of the construction manual, etc. are other factors whose importance will differ from person to person.

In short ... all of the rigs tested work surprisingly well for their cost and optimized circuits. They all have MDS in the range of at least -118dBm, or better than the band noise floor. Since most are NE602 based rigs, the performance characteristics are pretty consistent from one rig to another, as the lab tests reveal. And perhaps the most important aspect of these rigs ... they were all designed by HAMS and QRPers ... not some engineer sitting in an office in Tokyo. (Ooops, is that politically correct to say?) Thus, they're from the hands of the guys who use them and therefore, VERY user friendly.

Support the local, friendly QRP kit provider of your choice.

72, Paul NA5N

From owner-qrp-l@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: rnflyer@usa.pipeline.com (Rick Nash)
Subject: [1707] qrp station - straight key suggestions ????
Message-ID: <199607280156.BAA00246@pipe14.h1.usa.pipeline.com>

Hi:

I have just set up my qrp station. I'm new to the qrp/cw/hf/ radio hobby. I just recently recieved my general class license. I've built an OHR 4 band qrp rig and WM-1 wattmeter which seem to work well. I am using a half size G5RV antenna stuck up in the attic. My attic is only about 45 feet long so I bent the last 6 feet 90 degrees to the antenna. The radio recieves well on all 4 bands (80, 40, 30, & 20m). I have not tried to transmit yet since I don't have a set of paddles. I noticed the discussion on the Nye Viking straight key and wondered how it compared to the Kent straight key. I would be interested in a picture of the Nye Viking if anyone knows were I could obtain one. Thanks for the Information.

Rick Nash KB0TCY

From owner-qrp-l@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: torell@sicom.com (Kent Torell)
Subject: [1681] solar forecast
Message-ID: <v02130500ae1f0b7194e0@[192.91.202.41]>

Nothing much to report again this week. The sun's rotation is bringing the flare area back, so we may get some flux increase...preliminary looks say it is a pretty small area, tho (hard to tell, since it's on the edge of the sun's disc). For those who don't get it, I've appended the W1AW forecast below.

SB PROP ARL ARLP031
ARLP031 Propagation de KT7H

Recently we had to skip a number in the bulletin numbering sequence. If you think you are missing one, don't worry.

Solar flux was down an average four points last week relative to the previous week. Except for July 19, there have been no sunspots visible for 11 days in a row.

Today should see the return of old region 7978 on the Sun, which should bring a small rise in solar activity. Look for solar flux to gradually rise to near 80 by August 2, and then fall below 70 a week later. No geomagnetic upsets are expected from this region.

Sunspot Numbers for July 18 through 24 were 0, 0, 12, 0, 0, 0 and 0, with a mean of 1.7. 10.7 cm flux was 66.8, 64.9, 66.1, 65.4, 65.1, 66, and 66.7, with a mean of 65.9.

Kent Torell torell@sicom.com 602-483-2867 x40
SICOM 7585 E. Redfield, #202 Scottsdale, AZ 85260
AB70A Tmps 1996 Qs=015 States=11 Confirmed=01 DX=01
AK AZ CA CO HI ID KS OK OR TX WA
VE

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: JessQRP@aol.com
Subject: [1691] Some stuff sold Still have stuff for sale..
Message-ID: <960727000244_585893470@emout17.mail.aol.com>

Hi all,

Thanks to all that responded to the items that I had for sale.
The SW30 and the SW40 are gone as well as the 49er and the WM-1 watt meter.

I still have the OHR SCAF filter and A&A 30 meter rig.

OHR SCAF turned on 3 times and still new \$60.00 (offer?)

A&A 30 meter rig by K9AY. This is the Gary Breed original put out by A&A eng and is a classic. 0-10 watts, bullet proof design. Seperate TX and RX boards, VCO and fine tune, front panel S meter, built in CMOS keyer with front panel S meter/PO meter, etc etc...Very fine shape, and sorry to see it go. It was the first QRP rig that I ever built, and still ticks like a clock. \$120.00

If the A&A does not sell by the time I get back from CA in a week, I'm keepin it!

Will have my mail on postpone until I return and no HF in the van:-)

Best
Jess N0TFI

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: k5zty@hamgate2.w5-f6cnb.ampr.org
Subject: [1675] SUPER CMOS III ERATTA
Message-ID: <10579@sugarland.ampr.org>

In my previous posting about the Super CMOS III keyer I should have said the Super CMOS II was written up in the '95 ARRL Handbook. The quote is from the handbook. The Super CMOS III was written up in Aug.

'95 QST. The Handbook has construction details, the QST article doesn't
Sorry about that..

72

Bill, K5ZTY

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996

From: Jerry Parker <jparker@fix.net>

Subject: [1686] sw-30

Message-ID: <2.2.32.19960726195931.006e6824@fix.net>

I am looking for mods etc to the SW-40 or SW-30 or any archives of same???

Any help???

72,,,Jerry...WA6OWR...K

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996

From: Paul Harden <pharden@aoc.nrao.edu>

Subject: [1685] TEST: Green Mountain 20

Message-ID: <199607270431.WAA22719@zia.aoc.nrao.edu>

LAB TEST FOR:

GREEN MOUNTAIN 20 (GM-20)

20M QRP Transceiver

SUPPLIER:

SMALL WONDER LABS

80 E. Robbins Ave.

Newington, CT 06111

PH: 860-667-3536

Unit tested built by: Dave Benson, NN1G

PHYSICAL SIZE: Height Width Depth
(Board only) 0.8in (1,8cm) 5.0in (13cm) 3.5in (9cm)

DC POWER REQUIREMENTS -----

Input VDC ----->	11v	12v	13.5v
	Low Batt	Normal	Full Charge
Receive current:	38mA	43mA	48mA
Transmit current:	378mA	445mA	524mA
Total TX/RX current draw:	416mA	488mA	572mA
Output power:	1.7W	2.3W	2.9W
XMTR Efficiency:	41%	43%	41%

RECEIVER SECTION -----

	Minimum	Maximum	Test
RF Tuning Range	13.998 MHz	14.083MHz	14.060MHz
VFO Frequency	21.998 MHz	22.081MHz	22.059MHz
IF Frequency	8.000 MHz	7.998MHz	7.999MHz

Minimum Detectable Signal (MDS): -123dBm (.15uV)
VFO Drift from power on: 1min 2min 3min 4min 5min
Measured drift (Hz): 120 +10 -10 +5 0
Type of VFO: Varicap tuning on NE602
IF Filter Type: 4-pole crystal 6dB Bandwidth: 800 Hz
Other Features: RIT, MMIC (MAR-1) transmit buffer, AGC

TRANSMITTER SECTION -----

TX Mixer output level -27dBm Output Power: 2.9W
Driver output level +10dBm 2nd Harmonic: -34dB
Total Driver gain 37dB 3rd Harmonic: -48dB
PA Stage Gain 24dB
Power Amplifier Type: 2SC799

LAB TESTS were performed by Paul Harden, NA5N using HP 1590 and/or Colby SG1000A signal generator; Tektronix 475 or TDS520 (plotting) oscilloscope; Tektronix 7L13 or Tek 2712 (plotting) spectrum analyzer; HP 435A Power Meter; HP 5342A frequency counter; Wavetek DM27XT DVM.

This data may be reproduced providing proper credit is cited. TNX.

GL, Paul NA5N

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [1682] TEST: Hands GQ-40 (Kanga US)
Message-ID: <199607270437.WAA22816@zia.aoc.nrao.edu>

LAB TEST FOR: SUPPLIER:
HANDS GQ-40 KANGA U.S.
40M QRP Transceiver 3521 Spring Lake Drive
Findlay, OH 45850
PH: 419-423-5643

Unit tested built by: Bill Kelsey, N8ET

PHYSICAL SIZE: Height Width Depth

3.2in (8cm) 6.0in (15cm) 7.0in (18cm)

DC POWER REQUIREMENTS -----

Input VDC ----->	11v	12v	13.5v
	Low Batt	Normal	Full Charge
Receive current:	160mA	171mA	186mA
Transmit current:	.79A	.95A	1.12A
Total TX/RX current draw:	.95A	1.12A	1.31A
Output power:	4.4W	5.7W	7.4W
XMTR Efficiency:	51%	50%	49%

Back panel drive control allows adjustment of output power.

RECEIVER SECTION -----

	Minimum	Maximum	Test
-----	-----	-----	-----
RF Tuning Range	7.000 MHz	7.120MHz	7.040MHz
VFO Frequency	2.565 MHz	2.684MHz	2.605MHz
IF Frequency	4.435 MHz	4.436MHz	4.435MHz

Minimum Detectable Signal (MDS): -124 to -130dBm (.07uV)
VFO Drift from power on: 1min 2min 3min 4min 5min
Measured drift (Hz): +400 +280 +60 +10 0
VFO reaches 10Hz stability in 5 minutes after power-on
Type of VFO: Open-air variable capacitor, vernier drive, on NE602
IF Filter Type: 6-pole crystal 6dB Bandwidth: 700-150Hz
Other Features: RIT, adjustable sidetone level, passive mixer
for wider dynamic range.

TRANSMITTER SECTION -----

TX Mixer output level	-22dBm	Output Power:	7.4W
Driver output level	+16dBm	2nd Harmonic:	-58B
Total Driver gain	38dB	3rd Harmonic:	-53dB
PA Stage Gain	21dB		

Power Amplifier Type: Push-pull IRF510 power FET's

LAB TESTS were performed by Paul Harden, NA5N using HP 1590 and/or Colby SG1000A signal generator; Tektronix 475 or TDS520 (plotting) oscilloscope; Tektronix 7L13 or Tek 2712 (plotting) spectrum analyzer; HP 435A Power Meter; HP 5342A frequency counter; Wavetek DM27XT DVM.

This data may be reproduced, provided proper credit is cited. TNX.

GL, Paul NA5N (NA5N@Rt66.com)

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
 From: Paul Harden <pharden@aoc.nrao.edu>
 Subject: [1684] TEST: NW8020/20 40M
 Message-ID: <199607270435.WAA22791@zia.aoc.nrao.edu>

LAB TEST FOR:	SUPPLIER:
NW8020/20 (NW-40)	EMTECH
40M QRP Transceiver	3641A Preble Street
	Bremerton, WA 98312
	PH: 360-415-0804

Unit tested built by: Roy Gregson, W6EMT

PHYSICAL SIZE:	Height	Width	Depth
	2.5in (7cm)	6.5in (17cm)	5.5in (14cm)

DC POWER REQUIREMENTS -----

Input VDC ----->	11v	12v	13.5v
	Low Batt	Normal	Full Charge
Receive current:	48mA	52mA	58mA
Transmit current:	.92A	1.09A	1.32A
Total TX/RX current draw:	.97A	1.14A	1.38A
Output power:	3.7W	4.8W	6.2W
XMTR Efficiency:	37%	37%	35%

RECEIVER SECTION -----

	Minimum	Maximum	Test
	-----	-----	-----
RF Tuning Range	6.999 MHz	7.201MHz	7.040MHz
VFO Frequency	5.000 MHz	4.798MHz	4.959MHz
IF Frequency	11.999 MHz	11.999MHz	11.999MHz

Minimum Detectable Signal (MDS): -118 to -130dBm (.07uV)
 (from wide to narrow on variable BW filter)
 VFO Drift from power on: 1min 2min 3min 4min 5min
 Measured drift (Hz): +380 +320 +90 -60 -10
 VFO reaches 10Hz stability in 5 minutes after power-on
 Type of VFO: Open-air variable capacitor on NE602
 IF Filter Type: 4-pole crystal 6dB Bandwidth: 1.7KHz-150Hz
 Other Features: RIT, Variable BW IF filter, CW audio filter

TRANSMITTER SECTION -----

TX Mixer output level	-26dBm	Output Power:	6.2W
Driver output level	+10dBm	2nd Harmonic:	-35B
Total Driver gain	36dB	3rd Harmonic:	-46dB
PA Stage Gain	25dB		
Power Amplifier Type:	2SC1678		

NOTE: This is the current rig offered by EmTech, NOT the one being offered by Dan's Small Parts (and being recently discussed on QRP-L).

LAB TESTS were performed by Paul Harden, NA5N using HP 1590 and/or Colby SG1000A signal generator; Tektronix 475 or TDS520 (plotting) oscilloscope; Tektronix 7L13 or Tek 2712 (plotting) spectrum analyzer; HP 435A Power Meter; HP 5342A frequency counter; Wavetek DM27XT DVM.

This data may be reproduced, provided proper credit is cited. TNX.

GL, Paul NA5N

From owner-qrp-l@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [1680] TEST: OHR Explorer II
Message-ID: <199607270432.WAA22777@zia.aoc.nrao.edu>

LAB TEST FOR:	SUPPLIER:
OHR EXPLORER II	OAK HILLS RESEARCH
40M QRP Transceiver	20879 Madison St.
	Big Rapids, MI 49307
	PH: 616-796-0920

Unit tested built by: Dick Schneider, KB0SRY

PHYSICAL SIZE:	Height	Width	Depth
	2.8in (7cm)	6.5in (17cm)	6.5in (17cm)

DC POWER REQUIREMENTS -----

Input VDC ----->	11v	12v	13.5v
	Low Batt	Normal	Full Charge
Receive current:	33mA	36mA	39mA
Transmit current:	458mA	519mA	617mA
Total TX/RX current draw:	491mA	555mA	656mA
Output power:	1.7W	2.2W	2.6W
XMTR Efficiency:	34%	35%	31%

RECEIVER SECTION -----

	Minimum	Maximum	Test
	-----	-----	-----
RF Tuning Range	7.000 MHz	7.069MHz	7.040MHz
VFO Frequency	2.085 MHz	2.153MHz	2.124MHz
IF Frequency	4.915 MHz	4.916MHz	4.916MHz

Minimum Detectable Signal (MDS): -121Bm (.20uV)
VFO Drift from power on: 1min 2min 3min 4min 5min
Measured drift (Hz): +350 +180 +120 +60 +25
VFO reaches 10Hz stability in 8 minutes after power-on
Type of VFO: Open-air variable capacitor on NE602
IF Filter Type: 4-pole crystal 6dB Bandwidth: 3.0-1.1KHz
Other Features: RIT, Variable BW IF filter

TRANSMITTER SECTION -----

TX Mixer output level	-26dBm	Output Power:	2.5W
Driver output level	- 7dBm	2nd Harmonic:	-33dB
Total Driver gain	19dB	3rd Harmonic:	-47dB
PA Stage Gain	39dB		
Power Amplifier Type:	RCA C87101		

LAB TESTS were performed by Paul Harden, NA5N using HP 1590 and/or Colby SG1000A signal generator; Tektronix 475 or TDS520 (plotting) oscilloscope; Tektronix 7L13 or Tek 2712 (plotting) spectrum analyzer; HP 435A Power Meter; HP 5342A frequency counter; Wavetek DM27XT DVM.

This data may be reproduced, provided proper credit is cited. TNX.

GL, Paul NA5N

From owner-qrp-l@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [1693] Web Page
Message-ID: <199607271950.TAA16233@mail.enterprise.net>

Thanks to all the many people who have sent messages about my web pages. New additions include updated links, UK repeater list, etc and a muting circuit.

Check it out and don't forget I would still like to hear from you if you have built a bit of gear, kit etc, especially if you have a picture you can send me. Also any hints and tips, please. Beginners especially need this info, we were all beginners once, so come on and put a little back into the hobby.

Bye.

--

Frank G3YCC
Ham Radio QRP Web Page:
<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: kb0rol@juno.com (Bradley L Mugleston)
Subject: [1689] Winter Field Day
Message-ID: <19950728.053709.7663.0.kb0rol@juno.com>

Gang,

I intended for the LOW temperature to be a PLUS for the operator NOT the ham on the other end. If I'm going to be freezing my key off I want extra points!! Of course it would be different to be the reason for a pile up (I'm sure I'll be somewhere below zero degrees F) ;^)

What ever is decided LETS GO FOR IT!!!

Brad Mugleston - KB0ROL
Colorado QRP Club #170, QRP-L # , ARRL
QTH - Aurora, CO - DM79oq

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: kd7s@psnw.com (Bill Jones)
Subject: [1692] Re: 49er - my views, so far.
Message-ID: <199607271634.JAA20550@psnw.com>

Frank,

You and Obviously think along the same lines. I also modified the front end of my 40-9er in similar fashion to yours. In addition I added the series tuned circuit between the input of the low-pass filter and the input to the NE602N as well as the back-to-back diodes. I also substituted an LM386 for the '380 but didn't add your single transistor pre-amp.

I worked NL7SA in Alaska with my 40-9er last night and we chatted for almost 20 minutes. My signal didn't exactly blow his headphones off but he copied me just fine. The calculated distance from my QTH to his was 2146 statute miles. My 40-9er puts out about 750 mW with a 12.6 volt power supply.

Keep up the good work with your 40-9er and keep us informed.

>

=====
Bill Jones - KD7S <><
Sanger, California
Reply to kd7s@psnw.com
=====

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: "Robert J. Gobrick" <rgobrick@nfld.com>
Subject: [1702] Re: ARK-20 computer control
Message-ID: <2.2.32.19960727194832.00be4bd8@public.compuserve.com>

Hi Daniel,

I don't know Daniel - if you keep developing those new fangled options for your rigs pretty soon you'll forget how to operate. Let's see automatic keyer - you'll forget how to send. Automatic logger - you'll forget how to write. Automatic cw decoder - you'll forget how to hear. Automatic back scratcher - ahh shucks you can at least DO THAT yourself - hi.

Good work on the interface. Any chance of getting a write-up for submittal to the QRP ARCI "QRP Quarterly" newsletter? I'll give you a hand if you want.

Cheers 73/72 Bob V01DRB/WA6ERB

At 23:29 7/27/96 +0800, you wrote:

>Hi Gang,

>

> Well, my laziness finally got the better of me. After using some big
>rigs in the past, and writing up automated logging software in which I only
>provide the call and the RST, coming back to some of the QRP rigs proved to
>be a little tedious on the logging side of things.

>

> Now, some of you may know that I put in a microcontroller into my ARK-20
>to do some keying. Yesterday I finally hooked up the unused pins of the
>microprocessor to the ARK-20 BCD-thumbwheel and wrote some additional code
>for it. I am happy to say that after some tweaking, the thing now works. I
>have followed ICOM's C-IV protocol and now my logging software will
>recognize my ARK-20 just like some of those new fangled ICOM rigs. When I
>change the frequency it is automatically reflected in the logger. Cool, now
>I can get back to operating and don't worry about logging.

>

>73 de 9V1ZV Daniel

```
-----  
| Bob Gobrick - V01DRB/WA6ERB/VE2DRB - Newfoundland, Canada |  
| QRP'er Galore - QRP ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |  
| Internet:      rgobrick@nfld.com |  
| Compuserve:   70466.1405@compuserve.com |  
|-----|
```

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: KT3A@aol.com
Subject: [1686] Re: BeO - Beryllium Oxide???
Message-ID: <960726200517_246595499@emout12.mail.aol.com>

In a message dated 96-07-26 16:14:13 EDT, ham@w3eax.umd.edu (Scott Rosenfeld NF3I) writes:

>What in a VHF 2m 10 watt amp would contain beryllium oxide? Why?

Scott,
Beryllium oxide is used as an insulator/heat sink in vacuum tubes, as far as my experience goes. We had many safety warnings on them. As long as you did not scrape the material, it was completely safe. I saw the material used in 10kW (not QRP!) HF final tubes. Did not know it was used in solid state devices. The price we pay for technology.

72 de cameron, kt3a

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: chuckolson@juno.com (Chuck Olson)
Subject: [1690] Re: CMOS III
Message-ID: <19960726.230958.4807.0.chuckolson@juno.com>

>> I have a similar problem with my own memory keyer (a 68HC705J1a
>based
>> design with a 93LC66 EEPROM and a 78L05 regulator).
>
>hi chuck...
>
>i wonder if the keyer you are referring to is your own design?
>
Mitch -

Yes, it's my own design - a 4 memory keyer - it doesn't have as many features as the CMOS III but it was one of my first projects for the 68HC705J1A. The chief virtue of the J1A microcontroller is that it is about the cheapest 8 bit part available (\$2.95 from Jameco or JDR).

I was going to send in a construction article to QST but they weren't very enthusiastic about YAK (Yet Another Keyer) when I asked. The problem of automating Morse keying has been solved one time too many for the ARRL!

Best Regards,

Chuck
WB9KZY
Washington Island, WI

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: chuckolson@juno.com (Chuck Olson)
Subject: [1699] Re: CMOS III
Message-ID: <19960727.151414.4807.1.chuckolson@juno.com>

>MAYBE CQ MAGAZINE, FOR EXAMPLE. I AM A VERY OLD MEMBER OF ARRL, BUT I

Jim -

Thanks for the reply - I don't get CQ anymore - I remember it as being oriented towards operating rather than construction but I could try them.

I'll have to get going on writing up an article - it sounds like there is some interest in a cheap memory keyer!

Best Regards,

Chuck
WB9KZY
Washington Island, WI

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: "Thomas J. Whalen" <whalen@swcp.com>
Subject: [1676] Re: Half G5RV
Message-ID: <Pine.SUN.3.91.960726180558.18115A-100000@kitsune.swcp.com>

On Fri, 26 Jul 1996, David Kreinberg wrote:

>
> Gang:
>
> Didn't see any answers to my post from
> yesterday, so I'll try again.
>
> Regarding the posts about the half G5RV - is
> this simply a 1/2 dimension standard G5RV?
>
> Does this mean that the flat top is approx.

> 26 ft per side? How long is the proper feeder
> length?
>
> Thanks for any info you all may have.
>
> 73, Dave AC5GY
>
> Hey Dave,
> Years ago, I had the pleasure of talking to Lew McCoy-W1ICP who is a
well known ham technical writer about antennas. I asked him what is the
best multiband antenna? He responded with "Make it as long as you can, as
high as you can get it and feed it with balanced feeders(450 open wire or
evenecen twin lead." So, dont worry about "magical lengths"!

73 Tom WB5QYT

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: k5zty@hamgate2.w5-f6cnb.ampr.org
Subject: [1674] re: Super CMOS III
Message-ID: <10577@sugarland.ampr.org>

Rick,
The Super CMOS II is written up in the Aug. '95 issue of QST. It is the
same keyer except for some software updates. Under the heading in the
article "Build Your Own" they recommend a plastic box from RS. and go
on to say "Though housed in a plastic box, the keyer not shown any
allergic reactions to RF even when it was used adjacent to a kilowatt
amplifier driving coax fed antennas. But if your shack is hot with RF,
consider the use of a metal enclosure and shielded cables."
Looks to me like they covered all bases. It is a programed
microprocessor, so I would put it in a shielded enclosure just so I
wouldn't be looking for a new chip someday because of an accident.
Let us know how it turns out. I am going to build that one as soon as i
digest some of the ones I have going.
72,
Bill, K5ZTY

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: k5zty@hamgate2.w5-f6cnb.ampr.org
Subject: [1694] re: WB9KZY keyer
Message-ID: <10615@sugarland.ampr.org>

Chuck,
The reason QST wasn't interested in your keyer is that the president of

that org., Ron Stafford, and his staff have taken up the anti-CW requirement position and therefore the QST staff can foresee the day when there will be no use for keyers.

I would like to see your circuit. Send the construction article to Doug Hendricks or Mike Czuhajewski. I'll bet one or both of them will print it. Probably won't pay you much for it but, you will have at least 15 minutes of fame. I have 5 different keyers and can always use another one, especially if I get to build it.

72,

Bill, K5ZTY

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: chuckolson@juno.com (Chuck Olson)
Subject: [1698] Re: WB9KZY keyer
Message-ID: <19960727.151414.4807.0.chuckolson@juno.com>

Bill -

Thanks for the reply - here are a few of my comments:

>that org., Ron Stafford, and his staff have taken up the anti-CW
>requirement position and therefore the QST staff can foresee the day
>when there will be no use for keyers.

As an ARRL life member, I hope that this situation can be changed. I suspect that the league people just want construction projects which are new and unique - there have been an awful lot of keyer articles published by all the magazines. The only unique thing about my YAK (yet another keyer) is that it's cheap and that you would be able to build it without buying anything from me (I would supply source code). I (along with others) feel that a microcontroller construction article without source code is simply an advertisement for a product.

>Hendricks or Mike Czuhajewski. I'll bet one or both of them will print

I don't get any magazines other than QEX or QST right now - please let me know how/where to contact these men.

Best Regards,

Chuck

WB9KZY

Washington Island, WI

From owner-qrp-1@Lehigh.EDU Sat Jul 27 23:17:40 1996

From: Roger Hightower <rhight@primenet.com>
Subject: [1704] Re: WB9KZY keyer
Message-ID: <31FA86B4.3476@primenet.com>

k5zty@hamgate2.w5-f6cnb.ampr.org wrote:

>
> Chuck,
> The reason QST wasn't interested in your keyer is that the president of
> that org., Ron Stafford, and his staff have taken up the anti-CW
> requirement position and therefore the QST staff can foresee the day
> when there will be no use for keyers.
> (snip) Interesting comment. I have a note from Stafford that says just the
opposite. Do you have hard facts, or is this just an opinion?

72/73, de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Sat Jul 27 23:17:40 1996
From: k7yha@juno.com (richard h. arland)
Subject: [1701] Re: What is a Schurr-Morsetasten
Message-ID: <19960727.204902.4447.0.k7yha@juno.com>

On Thu, 25 Jul 96 20:19:18 EDT "Dennis Blanchard, K1YPP, CINCC"
<blanchard@nac.ENABLE.com> writes:

>I give, what is or what was it? Sounds like a CW generator of some
>sort.

It is absolutely, positively the very BEST CW paddle set made anywhere in
the world!

I own the Portable Wabbler and would rather part with a kidney than give
up the paddles.

They are available from Universal Radio, HRO and other ham stores or via
the Electronic Key Company (check QST for the address)

72 rich K7YHA